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(54) Title: FLAME RETARDANT PLENUM CABLE

(57) Abstract: For a flame retardant cable, it has been surprisingly found that an insulated conductor, having at least two insulation layers, a composite dielectric constant less than or equal to 2.6, and a composite dissipation factor less than or equal to 0.005, can be prepared even though one of the insulation layers has a dielectric constant greater than 2.6 or a dissipation factor greater than 0.005. It has also been surprisingly found that an insulated conductor, having a composite dielectric constant less than or equal to 2.6 and a composite dissipation factor less than or equal to 0.005, can be prepared with a non-halo-enated polyolefin as an insulation layer polymer, where the polyolefin having relatively poor dielectric/dissipative properties and the insulation layer composition being substantially free of halogenated or antimony trioxide flame retardant additives.